## **Listing of Claims:**

1. (Currently Amended) Compounds of the formula (I) or (Ia),

$$R_{4}$$
 $R_{3}$ 
 $R_{4}$ 
 $R_{3}$ 
 $R_{4}$ 
 $R_{5}$ 
 $R_{4}$ 
 $R_{5}$ 
 $R_{4}$ 
 $R_{5}$ 
 $R_{6}$ 
 $R_{7}$ 
 $R_{1}$ 
 $R_{1}$ 
 $R_{2}$ 
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 $R_{8}$ 
 $R_{1}$ 
 $R_{1}$ 
 $R_{2}$ 
 $R_{2}$ 
 $R_{3}$ 
 $R_{4}$ 
 $R_{5}$ 
 $R_{6}$ 
 $R_{7}$ 
 $R_{7}$ 
 $R_{8}$ 
 $R_{8}$ 
 $R_{8}$ 

in which the substituents have the following significance:

 $R_1$ :  $C_1$ - $C_6$ -alkyl;  $C_2$ - $C_6$ -alkenyl;  $C_2$ - $C_6$ -alkinyl;  $C_3$ - $C_{16}$ -(cyclical saturated group)alkyl, where alkyl is  $C_1$ - $C_6$ ;  $C_4$ - $C_{16}$ -(cyclical saturated group)alkenyl, where alkenyl is  $C_2$ - $C_6$ ;  $C_4$ - $C_{16}$ -(cyclical saturated group)alkinyl, where alkinyl is  $C_2$ - $C_6$ ;  $C_7$ - $C_{16}$ -arylalkyl, where aryl is  $C_6$ - $C_{10}$ -arylalkenyl, where aryl is  $C_6$ - $C_{10}$ -arylalkenyl;  $C_8$ - $C_{16}$ -arylalkenyl, where aryl is  $C_6$ - $C_{10}$ -arylalkinyl, where aryl is  $C_6$ - $C_{10}$ -arylalkinyl;

R<sub>2</sub>: C<sub>4</sub>-C<sub>6</sub>-alkyl;  $C_2$ -C<sub>6</sub>-alkenyl; C<sub>2</sub>-C<sub>6</sub>-alkinyl; C<sub>3</sub>-C<sub>16</sub>-(cyclical saturated group)alkyl, where alkyl is C<sub>1</sub>-C<sub>6</sub>; C<sub>4</sub>-C<sub>16</sub>-(cyclical saturated group)alkenyl, where alkenyl is C<sub>2</sub>-C<sub>6</sub>; C<sub>4</sub>-C<sub>16</sub>-(cyclical saturated group)alkinyl, where alkinyl is C<sub>2</sub>-C<sub>6</sub>; C<sub>7</sub>-C<sub>16</sub>-arylalkyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkyl is C<sub>1</sub>-C<sub>6</sub>-alkyl; C<sub>8</sub>-C<sub>16</sub>-arylalkenyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkenyl is C<sub>2</sub>-C<sub>6</sub>-alkenyl; C<sub>8</sub>-C<sub>16</sub>-arylalkinyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkinyl is C<sub>2</sub>-C<sub>6</sub>-aklinyl; C<sub>3</sub>-C<sub>6</sub>-alkenoyl; C<sub>3</sub>-C<sub>6</sub>-arylalkinyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-aryl and alkinyl is C<sub>2</sub>-C<sub>6</sub>-aklinyl; C<sub>3</sub>-C<sub>6</sub>-alkenoyl; C<sub>3</sub>-C<sub>6</sub>-arylalkinyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-arylalkinyl, where aryl is C<sub>6</sub>-C<sub>10</sub>-arylalkinyl is C<sub>2</sub>-C<sub>6</sub>-aklinyl; C<sub>3</sub>-C<sub>6</sub>-alkenoyl; C<sub>3</sub>-C<sub>6</sub>-alkenoyl;

alkinoyl;  $C_9$ - $C_{16}$ -arylalkenoyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkenoyl is  $C_3$ - $C_6$ -alkenoyl;  $C_9$ - $C_{16}$ -arylalkinoyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkinoyl is  $C_3$ - $C_6$ -alkinoyl;

 $R_3$ : hydrogen,  $C_1$ - $C_6$ -alkyl;  $C_2$ - $C_6$ -alkenyl;  $C_7$ - $C_{16}$ -arylalkyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkyl is  $C_1$ - $C_6$ -alkyl;  $C_8$ - $C_{16}$ -arylalkenyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkenyl is  $C_2$ - $C_6$ -alkenyl; alkoxyalkyl, where alkoxy is  $C_1$ - $C_6$ -alkoxy and alkyl is  $C_1$ - $C_6$ -alkyl;  $CO_2(C_1$ - $C_6$ -alkyl);  $CO_2H$ ;  $CH_2OH$ .

R4: hydrogen; hydroxy;  $C_1$ - $C_6$ -alkyloxy;  $C_2$ - $C_{10}$ -alkyloxyalkoxy, where alkyloxy is  $C_1$ - $C_4$  allkyloxyal alkyloxyal and alkoxy is  $C_1$ - $C_6$ -alkyloxy;  $C_2$ - $C_6$ -alkenyloxy;  $C_2$ - $C_6$ -alkinyloxy;  $C_3$ - $C_{16}$ -(cyclical saturated group)alkyloxy, where alkyl is  $C_1$ - $C_6$  alkyl;  $C_4$ - $C_{16}$ -(cyclical saturated group)alkenyloxy, where alkenyl is  $C_2$ - $C_6$  alkenyl;  $C_4$ - $C_{16}$ -(cyclical saturated group)alkinyloxy where alkinyl is  $C_2$ - $C_6$  alkinyl;  $C_7$ - $C_{16}$ -arylalkyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkenyl is  $C_2$ - $C_6$ -alkenyl;  $C_8$ - $C_{16}$ -arylalkenyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkinyl is  $C_2$ - $C_6$ -alkinyl;  $C_1$ - $C_6$ -alkanoyloxy;  $C_3$ - $C_6$ -alkenyloxy;  $C_3$ - $C_6$ -alkinoyloxy;  $C_3$ - $C_6$ -alkinoyloxy;  $C_3$ - $C_6$ -alkanoyloxy;  $C_9$ - $C_{16}$ -arylalkenoyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkanoyloxy is  $C_3$ - $C_6$ -alkanoyloxy;  $C_9$ - $C_{16}$ -arylalkenoyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkanoyloxy is  $C_3$ - $C_6$ -alkenoyloxy;  $C_9$ - $C_{16}$ -arylalkinoyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkinoyloxy is  $C_3$ - $C_6$ -alkinoyloxy;  $C_9$ - $C_{16}$ -arylalkinoyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkinoyloxy is  $C_3$ - $C_6$ -alkinoyloxy;  $C_9$ - $C_{16}$ -arylalkinoyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkinoyloxy;  $C_9$ - $C_{16}$ -arylalkinoyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkinoyloxy;  $C_9$ - $C_{16}$ -arylalkinoyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkinoyloxy;  $C_9$ - $C_{16}$ -arylalkinoyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkinoyloxy;  $C_9$ - $C_{16}$ -arylalkinoyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkinoyloxy;  $C_9$ - $C_{16}$ -arylalkinoyloxy, where aryl is  $C_9$ - $C_{10}$ -arylalkinoyloxy.

 $R_5$ : hydrogen; hydroxy;  $C_1$ - $C_6$ -alkyloxy;  $C_2$ - $C_{10}$ -alkyloxyalkoxy, where alkyloxy is  $C_1$ - $C_4$  alkyloxy and alkoxy is  $C_1$ - $C_6$ -alkyloxy;  $C_2$ - $C_6$ -alkenyloxy;  $C_2$ - $C_6$ -alkinyloxy;  $C_3$ - $C_{16}$ -(cyclical saturated group)alkyloxy, where alkyl is  $C_1$ - $C_6$  alkyl;  $C_4$ - $C_{16}$ -(cyclical saturated

group)alkenyloxy, where alkenyl is  $C_2$ - $C_6$  alkenyl;  $C_4$ - $C_{16}$ -(cyclical saturated group)alkinyloxy, where alkinyl is  $C_2$ - $C_6$  alkinyl;  $C_7$ - $C_{16}$ -arylalkyloxy, where aryl is  $C_6$ - $C_{10}$ -arylalkenyloxy, where aryl is  $C_6$ - $C_{10}$ -arylalkenyloxy, where aryl is  $C_6$ - $C_{10}$ -arylalkinyloxy, where aryl is  $C_6$ - $C_{10}$ -arylalkinyloxy, where aryl is  $C_6$ - $C_{10}$ -arylalkinyloxy, where aryl is  $C_6$ - $C_{10}$ -arylalkanoyloxy, where aryl is  $C_6$ - $C_{10}$ -arylalkanoyloxy is  $C_7$ - $C_{16}$ -arylalkanoyloxy, where aryl is  $C_6$ - $C_{10}$ -arylalkanoyloxy is  $C_7$ - $C_9$ -alkanoyloxy;

## X is oxygen;

wherein a single or double bond can be present between the carbon atoms of numbers 7 and 8,

wherein alkyl, alkenyl and alkinyl can each be branched or unbranched, aryl can be unsubstituted or mono-, di- or trisubstituted, independently in each case, with hydroxy, halogen, nitro, cyano, thiocyanato, trifluoromethyl, C<sub>1</sub>-C<sub>3</sub>-alkyl, C<sub>1</sub>-C<sub>3</sub>-alkoxy, CO<sub>2</sub>H, CONH<sub>2</sub>, CO<sub>2</sub>(C<sub>1</sub>-C<sub>3</sub>-alkyl), CONH(C<sub>1</sub>-C<sub>3</sub>-alkyl), CON(C<sub>1</sub>-C<sub>3</sub>-alkyl)<sub>2</sub>, CO(C<sub>1</sub>-C<sub>3</sub>-alkyl); amino; (C<sub>1</sub>-C<sub>3</sub>-monoalkyl)amino, (C<sub>1</sub>-C<sub>3</sub>-dialkyl)amino; C<sub>5</sub>-C<sub>6</sub>-cycloalkylamino, (C<sub>1</sub>-C<sub>3</sub>-alkanoyl)amido, SH, SO<sub>3</sub>H, SO<sub>3</sub>(C<sub>1</sub>-C<sub>3</sub>-alkyl), SO<sub>2</sub>(C<sub>1</sub>-C<sub>3</sub>-alkyl), SO<sub>2</sub>(C<sub>1</sub>-C<sub>3</sub>-alkyl), C<sub>1</sub>-C<sub>3</sub>-alkyl), C<sub>1</sub>-C<sub>3</sub>-alkylthio or C<sub>1</sub>-C<sub>3</sub>-alkanoylthio,

wherein -(cyclical saturated group) is either preferably C<sub>3</sub>-C<sub>10</sub>-cycloalkyl or a heterocyclic group with 2 to 9 carbon atoms, containing further one or more heteroatoms,

with the exception of compounds where  $R_1$  is methyl,  $R_2$  is  $C_4$ - $C_6$ -alkyl,  $R_3$  is hydrogen or methyl,  $R_4$  is hydroxy or methoxy and  $R_5$  is hydroxy, methoxy or an oxygen atom bound to the carbon atom in the  $5^{th}$  position,

with the further exception of compounds where  $R_1$  is cyclopropylmethyl and  $XR_2$  is benzyloxy, when  $R_4$  is hydrogen or benzyloxy and  $R_5$  is an oxygen atom bound to the carbon atom in the  $5^{th}$  position; and

with the further exception of compounds where  $R_1$  is cyclopropylmethyl and  $XR_2$  is benzyloxy, when  $R_4$  is hydrogen, hydroxy or benzyloxy and  $R_5$  is hydroxy or methoxy; with the further exception of compounds where  $R_2$  is  $C_1$ - $C_6$  alkenyl, when a double bond is between earbon atoms 8 and 7.

## 2. (Previously Presented) Compounds of the formula (IA) or (IAa),

where the substituents have the following significance:

 $R_1$ :  $C_1$ - $C_6$ -alkyl;  $C_2$ - $C_6$ -alkenyl;  $C_2$ - $C_6$ -alkinyl;  $C_3$ - $C_{16}$ -(cyclical saturated group)alkyl, where alkyl is  $C_1$ - $C_6$ ;  $C_4$ - $C_{16}$ -(cyclical saturated group)alkenyl, where alkenyl is  $C_2$ - $C_6$ ;  $C_4$ - $C_{16}$ -(cyclical saturated group)alkinyl, where alkinyl is  $C_2$ - $C_6$ ;  $C_7$ - $C_{16}$ -arylalkyl, where aryl is  $C_6$ - $C_{10}$ -aryl and

alkyl is  $C_1$ - $C_6$ -alkyl;  $C_8$ - $C_{16}$ -arylalkenyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkenyl is  $C_2$ - $C_6$ -alkenyl;  $C_8$ - $C_{16}$ -arylalkinyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkinyl is  $C_2$ - $C_8$ -alkinyl;

wherein the two substituents R<sub>1</sub> can be the same or different;

R<sub>2</sub>:  $C_1$ - $C_6$ -alkyl;  $C_2$ - $C_6$ -alkenyl;  $C_2$ - $C_6$ -alkinyl;  $C_3$ - $C_{16}$ -(cyclical saturated group)alkyl, where alkyl is  $C_1$ - $C_6$ ;  $C_4$ - $C_{16}$ -(cyclical saturated group)alkenyl, where alkenyl is  $C_2$ - $C_6$ ;  $C_4$ - $C_{16}$ -(cyclical saturated group)alkinyl, where alkinyl is  $C_2$ - $C_6$ ;  $C_7$ - $C_{16}$ -arylalkyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkyl is  $C_1$ - $C_6$ -alkyl;  $C_8$ - $C_{16}$ -arylalkenyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkenyl is  $C_2$ - $C_6$ -alkenyl;  $C_8$ - $C_{16}$ -arylalkinyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkinyl is  $C_2$ - $C_6$ -alkenyl;  $C_3$ - $C_6$ -alkenyl;  $C_9$ - $C_{16}$ -arylalkenyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkenyl is  $C_3$ - $C_6$ -alkenyl;  $C_9$ - $C_{16}$ -arylalkinyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkenyl is  $C_3$ - $C_6$ -alkenyl;  $C_9$ - $C_{16}$ -arylalkinyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkinyl is  $C_3$ - $C_6$ -alkenyl;

 $R_3$ : hydrogen,  $C_1$ - $C_6$ -alkyl;  $C_2$ - $C_6$ -alkenyl;  $C_7$ - $C_{16}$ -arylalkyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkyl is  $C_1$ - $C_6$ -alkyl;  $C_8$ - $C_{16}$ -arylalkenyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkenyl is  $C_2$ - $C_6$ -alkenyl; alkoxyalkyl, where alkoxy is  $C_1$ - $C_6$ -alkoxy and alkyl is  $C_1$ - $C_6$ -alkyl;  $CO_2(C_1$ - $C_6$ -alkyl);  $CO_2H$ ;  $CH_2OH$ .

 $R_4$ : hydrogen; hydroxy;  $C_1$ - $C_6$ -alkyloxy;  $C_2$ - $C_{10}$ -alkyloxyalkoxy, where alkyloxy is  $C_1$ - $C_4$  alkyloxyl and alkoxy is  $C_1$ - $C_6$ -alkyloxy;  $C_2$ - $C_6$ -alkenyloxy;  $C_2$ - $C_6$ -alkinyloxy;  $C_3$ - $C_{16}$ -(cyclical saturated group)alkyloxy, where alkyl is  $C_1$ - $C_6$  alkyl;  $C_4$ - $C_{16}$ -(cyclical saturated group)alkenyloxy, where alkenyl is  $C_2$ - $C_6$  alkenyl;  $C_4$ - $C_{16}$ -(cyclical saturated group)alkinyloxy where alkinyl is  $C_2$ - $C_6$  alkinyl;  $C_7$ - $C_{16}$ -arylalkyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkyl is  $C_1$ - $C_6$ -

alkyl;  $C_8$ - $C_{16}$ -arylalkenyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkenyl is  $C_2$ - $C_6$ -alkenyl;  $C_8$ - $C_{16}$ -arylalkinyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkinyl is  $C_2$ - $C_6$ -alkinyl;  $C_2$ - $C_6$ -alkanoyloxy;  $C_3$ - $C_6$ -alkanoyloxy;  $C_3$ - $C_6$ -alkanoyloxy;  $C_8$ - $C_{16}$ -arylalkanoyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkanoyloxy is  $C_2$ - $C_6$ -alkanoyloxy;  $C_9$ - $C_{16}$ -arylalkanoyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkanoyloxy is  $C_3$ - $C_6$ -alkanoyloxy;  $C_9$ - $C_{16}$ -arylalkinoyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkanoyloxy is  $C_3$ - $C_6$ -alkanoyloxy;

 $R_5$ : hydrogen; hydroxy;  $C_1$ - $C_6$ -alkyloxy;  $C_2$ - $C_{10}$ -alkyloxyalkoxy, where alkyloxy is  $C_1$ - $C_4$  alkyloxy and alkoxy is  $C_1$ - $C_6$ -alkyloxy;  $C_2$ - $C_6$ -alkenyloxy;  $C_2$ - $C_6$ -alkinyloxy;  $C_3$ - $C_{16}$ -(cyclical saturated group)alkyloxy, where alkyl is  $C_1$ - $C_6$  alkyl;  $C_4$ - $C_{16}$ -(cyclical saturated group)alkenyloxy, where alkenyl is  $C_2$ - $C_6$  alkenyl;  $C_4$ - $C_{16}$ -(cyclical saturated group)alkinyloxy, where alkinyl is  $C_2$ - $C_6$  alkinyl;  $C_7$ - $C_{16}$ -arylalkyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkenyl is  $C_2$ - $C_6$ -alkenyl;  $C_8$ - $C_{16}$ -arylalkenyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkinyl is  $C_2$ - $C_6$ -alkanoyloxy;  $C_7$ - $C_{16}$ -arylalkanoyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkanoyloxy is  $C_2$ - $C_6$ -alkanoyloxy;  $C_7$ - $C_{16}$ -arylalkanoyloxy, where aryl is  $C_6$ - $C_{10}$ -aryl and alkanoyloxy is  $C_2$ - $C_6$ -alkanoyloxy;

X is oxygen;

Y is I', Br', Cl', OH' or another pharmacologically acceptable counterion;

wherein a single or double bond can be present between the carbon atoms of numbers 7 and 8,

wherein alkyl, alkenyl and alkinyl can each be branched or unbranched, aryl can be unsubstituted or mono-, di- or trisubstituted, independently in each case, with hydroxy, halogen, nitro, cyano, thiocyanato, trifluoromethyl, C<sub>1</sub>-C<sub>3</sub>-alkyl, C<sub>1</sub>-C<sub>3</sub>-alkoxy, CO<sub>2</sub>H, CONH<sub>2</sub>, CO<sub>2</sub>(C<sub>1</sub>-C<sub>3</sub>-alkyl), CONH(C<sub>1</sub>-C<sub>3</sub>-alkyl), CON(C<sub>1</sub>-C<sub>3</sub>-alkyl)<sub>2</sub>, CO(C<sub>1</sub>-C<sub>3</sub>-alkyl); amino; (C<sub>1</sub>-C<sub>3</sub>-monoalkyl)amino, (C<sub>1</sub>-C<sub>3</sub>-dialkyl)amino; C<sub>5</sub>-C<sub>6</sub>-cycloalkylamino, (C<sub>1</sub>-C<sub>3</sub>-alkanoyl)amido, SH, SO<sub>3</sub>H, SO<sub>3</sub>(C<sub>1</sub>-C<sub>3</sub>-alkyl), SO<sub>2</sub>(C<sub>1</sub>-C<sub>3</sub>-alkyl), SO<sub>2</sub>(C<sub>1</sub>-C<sub>3</sub>-alkyl), C<sub>1</sub>-C<sub>3</sub>-alkylthio or C<sub>1</sub>-C<sub>3</sub>-alkanoylthio, wherein -(cyclical saturated group) is either preferably C<sub>3</sub>-C<sub>10</sub>-cycloalkyl or a heterocyclical group with 2 to 9 carbon atoms, containing furthermore one or more heteroatoms.

- 3. (Currently Amended) Compounds of the formulae (I) or (IA) of Claims 1 or 2, wherein  $R_1$  is  $C_1$ - $C_6$ -alkyl;  $C_2$ - $C_6$ -alkenyl;  $C_4$ - $C_{16}$ -cycloalkylalkyl, where cycloalkyl is  $C_3$ - $C_{10}$  cycloalkyl and alkyl is  $C_1$ - $C_6$  alkyl;  $C_7$ - $C_{16}$ -arylalkyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkyl is  $C_1$ - $C_6$ -alkyl;  $R_2$  is  $C_7$ - $C_{16}$ -arylalkyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkyl is  $C_1$ - $C_6$ -alkyl;  $C_8$ - $C_{16}$ -arylalkenyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkenyl is  $C_2$ - $C_6$ -alkenyl;  $C_8$  is hydrogen or methyl;  $C_8$ - $C_{10}$ -arylalkenyl, methoxy or acetoxy.
- 4. (Currently Amended) Compounds of the formula (IA) of Claim 2, wherein  $R_1$  is  $C_1$ - $C_6$ -alkyl;  $C_2$ - $C_6$ -alkenyl;  $C_4$ - $C_{16}$ -cycloalkylalkyl, where cycloalkyl is  $C_3$ - $C_{10}$  cycloalkyl and alkyl is  $C_1$ - $C_6$  alkyl;  $C_7$ - $C_{16}$ -arylalkyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkyl is  $C_1$ - $C_6$ -alkyl;  $R_2$  is  $C_1$ - $C_6$ -alkyl or  $C_2$ - $C_6$ -alkenyl,  $R_3$  is hydrogen or methyl;  $R_4$  is hydroxy, methoxy or acetoxy.

5. (Previously Presented) Compounds of Claims 1 or 2, selected from: 17-allyl-4,5α-epoxy-3-methoxy-14β-(3-phenylpropyloxy)morphinan-6-one, 17-allyl-4,5α-epoxy-3-hydroxy-14β-(3-phenylpropyloxy)morphinan-6-one, 17-allyl-4,5α-epoxy-3-methoxy-5βmethyl-14β-(3-phenylpropyloxy)morphinan-6-one, 17-allyl-4,5α-epoxy-3-hydroxy-5β-methyl-14β-(3-phenylpropyloxy)morphinan-6-one, 17-cyclobutylmethyl-4,5α-epoxy-3-methoxy-14β-(3phenylpropyloxy)morphinan-6-one, 17-cyclobutylmethyl-4,5α-epoxy-3-hydroxy-14β-(3phenylpropyloxy)morphinan-6-one, 17-cyclobutylmethyl-4,5α-epoxy-3-methoxy-5β-methyl-14β-(3-phenylpropyloxy)morphinan-6-one, 17-cyclobutylmethyl-4,5α-epoxy-3-hydroxy-5βmethyl-14β-(3-phenylpropyloxy)morphinan-6-one, 17-cyclopropylmethyl-4,5α-epoxy-3methoxy-14β-(3-phenylpropyloxy)morphinan-6-one, 17-cyclopropylmethyl-4,5α-epoxy-3hydroxy-14β-(3-phenylpropyloxy)morphinan-6-one, 17-cyclopropylmethyl-4,5α-epoxy-3methoxy-5β-methyl-14β-(3-phenylpropyloxy)morphinan-6-one, 17-cyclopropylmethyl-4,5αepoxy-3-hydroxy-5β-methyl-14β-(3-phenylpropyloxy)morphinan-6-one, 4,5α-epoxy-3-methoxy-5β,17-dimethyl-14β-[(3-phenylpropyl)oxy)morphinan-6-one, 4,5α-epoxy-3-hydroxy-5β,17dimethyl-14β-[(3-phenylpropyl)oxy]morphinan-6-one, 17-propyl-4,5α-epoxy-3-methoxy-14β-(3-phenylpropyloxy)morphinan-6-one, 17-propyl-4,5α-epoxy-3-hydroxy-14β-(3phenylpropyloxy)morphinan-6-one, 17-propyl-4,5α-epoxy-3-methoxy-5β-methyl-14β-(3phenylpropyloxy)morphinan-6-one, 17-propyl-4,5α-epoxy-3-hydroxy-5β-methyl-14β-(3phenylpropyloxy)morphinan-6-one, 17-tetrahydrofurfuryl-4,5α-epoxy-3-methoxy-14β-(3phenylpropyloxy)morphinan-6-one, 17-tetrahydrofurfuryl-4,5α-epoxy-3-hydroxy-14β-(3phenylpropyloxy)morphinan-6-one, 17-tetrahydrofurfuryl-4,5α-epoxy-3-methoxy-5β-methyl-14β-(3-phenylpropyloxy)morphinan-6-one, 17-tetrahydrofurfuryl-4,5α-epoxy-3-hydroxy-5βmethyl-14β-(3-phenylpropyloxy)morphinan-6-one, 17-(2-phenylethyl)-4,5α-epoxy-3-methoxy-

14β-(3-phenylpropyloxy)morphinan-6-one, 17-(2-phenylethyl)-4,5α-epoxy-3-hydroxy-14β-(3phenylpropyloxy)morphinan-6-one, 17-(2-phenylethyl)-4,5α-epoxy-3-methoxy-5β-methyl-14β-(3-phenylpropyloxy)morphinan-6-one, 17-(2-phenylethyl)-4,5α-epoxy-3-hydroxy-5β-methyl-14β-(3-phenylpropyloxy)morphinan-6-one, 17-ethyl-4,5α-epoxy-3-methoxy-14β-(3phenylpropyloxy)morphinan-6-one, 17-ethyl-4,5α-epoxy-3-hydroxy-14β-(3phenylpropyloxy)morphinan-6-one, 17-ethyl-4,5α-epoxy-3-methoxy-5β-methyl-14β-(3phenylpropyloxy)morphinan-6-one, 17-ethyl-4,5α-epoxy-3-hydroxy-5β-methyl-14β-(3phenylpropyloxy)morphinan-6-one, 17-cyclopropylmethyl-4,5α-epoxy-3-hydroxy-14β-[(2methylbenzyl)oxy]morphinan-6-one,  $14\beta$ -[(2-chlorobenzyl)oxy]-17-(cyclopropylmethyl)-4,5 $\alpha$ epoxy-3-hydroxymorphinan-6-one, 14β-benzyloxy-17-cyclopropylmethyl-4,5α-epoxy-3hydroxymorphinan-6-one, 14β-butoxy-17-cyclopropylmethyl-4,5α-epoxy-3-hydroxymorphinan-6-one, 17-cyclopropylmethyl-4,5α-epoxy-3-hydroxy-14β-[(3-methylbutyl)oxy]morphinan-6-one,  $4,5\alpha$ -epoxy- $5\beta$ ,17-dimethyl- $14\beta$ -[(3-phenylpropyl)oxy]-3-[(prop-2-inyl)oxy]morphinan-6-one, 14β-[(3-chlorobenzyl)oxy]-4,5α-epoxy-17-methyl-3-[(prop-2-inyl)oxy]morphinan-6-one, 4,5αepoxy-17-ethyl-3-methoxy-14β-[(3-phenylpropyl)oxylmorphinan-6-one, 4.5α-epoxy-17-ethyl-3hydroxy-14β-[(3-phenylpropyl)oxy]morphinan-6-one, 4,5α-epoxy-3-hydroxy-14β-[(3methylbutyl)oxy]-17-propylmorphinan-6-one, 5β-benzyl-14-methoxycodeinone (= 5-benzyl-7.8didehydro-4,5α-epoxy-3,14β-dimethoxy-17-methyl-morphinan-6-one), 5β-benzyl-4,5α-epoxy-3,14β-dimethoxy-17-methylmorphinan-6-one, 5β-benzyl-4,5α-epoxy-3-hydoxy-14β-methoxy-17-methylmorphinan-6-one, 4-hydroxy-3-methoxy-17-methyl-14-[(3-phenylpropyl)oxy]morphinan-6-one, 3,4-dimethoxy-17-methyl-14-[(3-phenylpropyl)oxy]-morphinan-6-one, 14βbenzyloxy-4-hydroxy-3-methoxy-17-methylmorphinan-6-one, 14β-benzyloxy-3,4-dimethoxy-17-methylmorphinan-6-one, 4-hydroxy-3-methoxy-17-methyl-14β-[(2naphthylmethyl)oxy]morphinan-6-one, 3,4-dimethoxy-17-methyl-14β-[(2naphthylmethyl)oxy]morphinan-6-one, 4-hydroxy-3-methoxy-5B.17-dimethyl-14B-[(3-phenylpropyl)oxy]-morphinan-6-one, 14β-ethoxy-4-hydroxy-3-methoxy-5β,17dimethylmorphinan-6-one, 14β-ethoxy-3,4-dimethoxy-5β,17-dimethylmorphinan-6-one, 14βbenzyloxy-3,4-dimethoxy-5β,17-dimethylmorphinan-6-one, 4,5α-epoxy-3-hydroxy-17,17dimethyl-6-oxo-14β-[(3-phenylpropyl)oxy]morphinanium-iodide, (17S)-4,5α-epoxy-17-ethyl-3hydroxy-17-methyl-6-oxo-14β-[(3-phenylpropyl)oxy]morphinanium-iodide, (17R)-4,5α-epoxy-3-hydroxy-17-methyl-6-oxo-14β-[(3-phenylpropyl)oxy]-17-[(2(R,S)-tetrahydrofurfuran-2yl)methyl]morphinanium-iodide, (17R)-17-allyl-4,5α-epoxy-14β-ethoxy-3-hydroxy-17-methyl-6-oxomorphinanium-iodide, (17R)-17-allyl-4,5α-epoxy 3-hydroxy-14β-methoxy-17-methyl-6oxomorphinanium-iodide, (17S)-17-allyl-4,5α-epoxy-3-hydroxy-14β-methoxy-17-methyl-6oxomorphinanium-iodide, 4,5α-epoxy-3-hydroxy-14β-methoxy-17,17-dimethyl-6-oxomorphinanium-iodide, 5β-benzyl-14β-(butyloxy)-4,5-epoxy-3-hydroxy-17,17-dimethyl-6oxomorphinanium-iodide, (17S)-17-allyl-5β-benzyl-14β-butoxy-4,5α-epoxy-3-hydroxy-17methyl-6-oxomorphinanium-iodide, 14β-butoxy-4,5α-epoxy-3-hydroxy-17,17-dimethyl-6oxomorphinanium-iodide, (17R)-17-cyclopropylmethyl-4,5α-epoxy-3-hydroxy-17-methyl-6oxo-14β-[(3-phenylpropyl)oxy]morphinanium-iodide, (17R)-17-cyclopropylmethyl-4,5α-epoxy-3-methoxy-17-methyl-6-oxo-14β-[(3-phenylpropyl)oxylmorphinanium-iodide, (17R)-17cyclopropylmethyl-4,5α-epoxy-3-hydroxy-17-methyl-6-oxo-14β-[(2phenylbenzyl)oxy]morphinanium-iodide, (17R)-14β-[(4-chlorobenzyl)oxy]-17cyclopropylmethyl-4,5α-epoxy-3-hydroxy-17-methyl-6-oxomorphinanium-iodide, 17(R)-4.5αepoxy-3-hydroxy-14β-methoxy-17-methyl-6-oxo-17-(2-phenylethyl)morphinanium-iodide, 4,5α-expoxy-3-methoxy-17-methyl-14β-[(3-phenylpropyl)oxy]morphinan-6-one,
4,5α-expoxy-3-methoxy-14β-[(3-phenylpropyl)oxy]morphinan-6-one,
4,5α-expoxy-3-hydroxy-17-methyl-14β-[(3-phenylpropyl)oxy]morphinan-6-one,
4,5α-expoxy-17-methyl-14β-[(3-phenylpropyl)oxy]morphinan-6-one,
17-(cyclopropylmethyl)-4,5α-epoxy-14β-[(3-phenylpropyl)oxy]morphinan-6-one,
4,5α-epoxy-14β-[(3-phenylpropyl)oxy]morphinan-6-one,
17-(cyclopropylmethyl)-4-hydroxy-14β-[(3-phenylpropyl)oxy]morphinan-6-one,
17-(cyclopropylmethyl)-4-methoxy-14β-[(3-phenylpropyl)oxy]morphinan-6-one,
4-(n-butyloxy)-17-(cyclopropylmethyl)-14β-[(3-phenylpropyl)oxy]morphinan-6-one, and a
pharmaceutically acceptable salt thereof.

6. (Previously Presented) A pharmaceutical composition, comprising a compound of Claims 1 or 2 and/or a pharmaceutically acceptable acid addition salt thereof, together with a pharmaceutically acceptable carrier substance.

Claim 7 (Cancelled).

8. (Currently Amended) A method of treating pain, rheumatic diseases, ileus, obstipation, an overweight condition, or addiction comprising the step of administering to a patient in need thereof with an effective amount of the compound of claim 1 or 2.

- 9. (Previously Presented) Compounds according to Claim 1 or 2, wherein R<sub>5</sub> is OH or alkyloxy.
- 10. (Previously Presented) Compounds according to Claim 1 or 2, wherein R<sub>3</sub> is hydrogen, alkyl or aralkyl, preferably hydrogen or alkyl.
- 11. (Previously Presented) Compounds according to Claim 1 or 2, wherein R<sub>4</sub> is OH, alkyloxy or alkenyloxy or alkinyloxy.
- 12. (Previously Presented) Compounds according to Claim 1 or 2, wherein a single bond is present between the carbon atoms of the numbers 7 and 8.
- 13. (Previously Presented) Compounds according to Claim 1 or 2, wherein  $R_2$  is alkyl or aralkyl, preferably aralkyl.
- 14. (Previously Presented) Compounds according to Claim 1 or 2, wherein R<sub>1</sub> is alkyl, (cyclical saturated group)alkyl, aralkyl or alkenyl.
- 15. (Previously Presented) Compounds according to Claim 1 or 2, wherein  $R_1$  is  $C_1$ - $C_6$ -alkyl;  $C_2$ - $C_6$ -alkenyl;  $C_2$ - $C_6$ -alkinyl;  $C_3$ - $C_{16}$ -(cyclical saturated group)alkyl, where alkyl is  $C_1$ - $C_6$  alkyl;  $C_4$ - $C_{16}$ -(cyclical saturated group)alkenyl, where alkenyl is  $C_2$ - $C_6$  alkenyl;  $C_4$ - $C_{16}$ -(cyclical saturated group)alkinyl, where alkinyl is  $C_2$ - $C_6$  alkinyl;  $C_7$ - $C_{16}$ -arylalkyl, where aryl is

 $C_6$ - $C_{10}$ -aryl and alkyl is  $C_1$ - $C_6$ -alkyl;  $C_8$ - $C_{16}$ -arylalkenyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkenyl is  $C_2$ - $C_6$ -alkenyl;  $C_8$ - $C_{16}$ -arylalkinyl, where aryl is  $C_6$ - $C_{10}$ -aryl and alkinyl is  $C_2$ - $C_6$ -alkinyl.